WEST Search History

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DATE: Monday, April 19, 2004

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		DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ	
☐	L6	L4 and (paracoccus or synechocystis or agrobacterium or streptomyces or haematococcus or dunaliella or xanthophyllomyces or neurospora or rhodotorula or blakeslea or phycomyces)	28
☐	L5	L4 and (phaffia or erwina or myxococcus or flavobacter)	6
☐	L4	L1 and (muta$7 or disrupt$5 or disabl$6)	175
☐	L3	L2 and (phaffia or erwina or myxococcus or flavobacter)	4
☐	L2	L1 and (disrupt$5 or disabl$6)	97
☐	L1	(catalase or superoxide dismutase or alternative oxidase) same caroten$6	406

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Search Results - Record(s) 1 through 6 of 6 returned.

☐ 1. Document ID: US 20030232419 A1

Using default format because multiple data bases are involved.

L5: Entry 1 of 6 File: PGPB Dec 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030232419
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030232419 A1

TITLE: Molecules interacting with CASL (MICAL) polynucleotides, polypeptides, and methods of using the same

PUBLICATION-DATE: December 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kolodkin, Alex L.	Baltimore	MD	US	
Terman, Jon R.	Baltimore	MD	US	
Mao, Tiany	Parkville	MD	US	
Pasterkamp, Ronald J.	Baltimore	MD	US	
Yu, Hung-Hsiang	Lynnwood	WA	US	

US-CL-CURRENT: 435/191; 435/320.1, 435/325, 435/6, 435/69.1, 435/7.2, 530/388.26, 536/23.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 2. Document ID: US 20030049720 A1

L5: Entry 2 of 6 File: PGPB Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030049720
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030049720 A1

TITLE: Process for producing carotenoids and biological materials useful therefor

PUBLICATION-DATE: March 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47

Hoshino, Tatsuo	Kamakura-shi	JP
Ojima, Kazuyuki	Fujisawa-shi	JP
Setoguchi, Yutaka	Fujisawa-shi	JP

US-CL-CURRENT: 435/67; 435/254.1, 435/254.2, 435/258.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 3. Document ID: US 20020168703 A1

L5: Entry 3 of 6 File: PGPB Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020168703
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020168703 A1

TITLE: Process for the manufacture of carotenoids and biologically useful materials thereof

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hoshino, Tatsuo	Kamakura-shi		JP	
Ojima, Kazuyuki	Fujisawa-shi		JP	
Setoguchi, Yutaka	Fujisawa-shi		JP	

US-CL-CURRENT: 435/67; 435/252.3, 435/254.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 4. Document ID: US 6696293 B2

L5: Entry 4 of 6 File: USPT Feb 24, 2004

US-PAT-NO: 6696293
DOCUMENT-IDENTIFIER: US 6696293 B2

TITLE: Process for producing carotenoids and biological materials useful therefor

DATE-ISSUED: February 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoshino; Tatsuo	Kamakura			JP
Ojima; Kazuyuki	Fujisawa			JP
Setoguchi; Yutaka	Fujisawa			JP

US-CL-CURRENT: 435/440; 435/254.11, 435/320.1, 435/471, 536/23.1, 536/23.2, 536/23.7

ABSTRACT:

A process for producing carotenoids, which involves cultivating a microorganism obtained by treating a parent microorganism that produces carotenoids under conditions that induce a reduction in alternative oxidase activity and selecting a microorganism with enhanced carotenoid productivity, a method for obtaining the microorganism with enhanced carotenoid productivity, and the microorganism itself.

21 Claims, 1 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw. D

☐ 5. Document ID: US 6433025 B1

L5: Entry 5 of 6 File: USPT Aug 13, 2002

US-PAT-NO: 6433025
DOCUMENT-IDENTIFIER: US 6433025 B1

TITLE: Method for retarding and preventing sunburn by UV light

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lorenz; R. Todd	Kailua-Kona	HI		

US-CL-CURRENT: 514/725; 424/400, 424/401, 424/59, 514/691, 514/724

ABSTRACT:

Astaxanthin is a potent antioxidant, over 500 times more powerful than Vitamin E and 10 times stronger than other carotenoids such as zeaxanthin, lutein, canthaxanthin and beta-carotene. Astaxanthin has also been shown to enhance and modulate the immune system. Disclosed is a method and treatment for retarding and preventing sunburns. The method comprises administering a source of astaxanthin in a therapeutically effective amount to prevent and retard sunburns.

20 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw. D

☐ 6. Document ID: US 6344214 B1

L5: Entry 6 of 6 File: USPT Feb 5, 2002

US-PAT-NO: 6344214
DOCUMENT-IDENTIFIER: US 6344214 B1

TITLE: Method for retarding and ameliorating fever blisters and canker sores

DATE-ISSUED: February 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lorenz; R. Todd	Kailua-Kona	HI		

US-CL-CURRENT: 424/451; 424/435, 514/886, 514/887, 514/900, 568/378

ABSTRACT:

Astaxanthin is a potent antioxidant, over 500 times more powerful than Vitamin E and 10 times stronger than other carotenoids such as zeaxanthin, lutein, canthaxanthin and beta-carotene. Astaxanthin has also been shown to enhance and modulate the immune system and diminish the damaging effects of UVA sunlight. Disclosed is a method for retarding and ameliorating fever blisters (cold sores) and canker sores. The method comprises administering a source of astaxanthin in a therapeutically effective amount to prevent, retard and ameliorate fever blisters and canker sores. The astaxanthin may be administered orally, topically, or in a combination of oral and topical dosage.

12 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Terms	Documents
L4 and (phaffia or erwina or myxococcus or flavobacter)	6

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Search Results - Record(s) 1 through 20 of 28 returned.

☐ 1. Document ID: US 20040072218 A1

Using default format because multiple data bases are involved.

L6: Entry 1 of 28 File: PGPB Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040072218
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040072218 A1

TITLE: Methods and kits for identifying scavengers of reactive oxygen species (ros)

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Quan Pan, Shen	Singapore		SG	

US-CL-CURRENT: 435/6

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 2. Document ID: US 20040052774 A1

L6: Entry 2 of 28 File: PGPB Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040052774
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040052774 A1

TITLE: Reducing oxidative stress of plants by increasing glutathione content

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Creissen, Gary Patrick	Norwich		GB	
Mullineaux, Philip Mark	Norwich		GB	

US-CL-CURRENT: 424/93.21; 435/320.1, 435/455

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 3. Document ID: US 20040002094 A1

L6: Entry 3 of 28 File: PGPB Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040002094
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040002094 A1

TITLE: Method for high-density microarray mediated gene expression profiling

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Larossa, Robert A.	West Chester	PA	US	
Wei, Yan	West Caldwell	NJ	US	

US-CL-CURRENT: 435/6

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 4. Document ID: US 20030181495 A1

L6: Entry 4 of 28 File: PGPB Sep 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030181495
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030181495 A1

TITLE: Therapeutic methods employing disulfide derivatives of dithiocarbamates and compositions useful therefor

PUBLICATION-DATE: September 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lai, Ching-San	Carlsbad	CA	US	
Vassilev, Vassil P.	San Diego	CA	US	

US-CL-CURRENT: 514/369; 514/217.03, 514/316, 514/422, 514/476

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 5. Document ID: US 20030135882 A1

L6: Entry 5 of 28 File: PGPB Jul 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030135882
PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030135882 A1

TITLE: Methods and means for delivering inhibitory RNA to plants and applications thereof

PUBLICATION-DATE: July 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Metzlaff, Michael H.	Tervuren		BE	
Gossele, Veronique M.L.	Ghent		BE	
Meulewaeter, Frank	Melle		BE	
Fache, Ina C.A.	Oosterzele		BE	

US-CL-CURRENT: 800/280; 435/468

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

☐ 6. Document ID: US 20030113368 A1

L6: Entry 6 of 28 File: PGPB Jun 19, 2003

PGPUB-DOCUMENT-NUMBER: 20030113368
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030113368 A1

TITLE: Liposome coated with polyhydroxyalkanoate and production method thereof

PUBLICATION-DATE: June 19, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Nomoto, Tsuyoshi	Tokyo		JP	
Yano, Tetsuya	Kanagawa		JP	
Kozaki, Shinya	Tokyo		JP	
Honma, Tsutomu	Kanagawa		JP	

US-CL-CURRENT: 424/450; 428/402.24, 435/135

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

☐ 7. Document ID: US 20030049720 A1

L6: Entry 7 of 28 File: PGPB Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030049720
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030049720 A1

TITLE: Process for producing carotenoids and biological materials useful therefor

PUBLICATION-DATE: March 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hoshino, Tatsuo	Kamakura-shi		JP	
Ojima, Kazuyuki	Fujisawa-shi		JP	
Setoguchi, Yutaka	Fujisawa-shi		JP	

US-CL-CURRENT: 435/67; 435/254.1, 435/254.2, 435/258.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 8. Document ID: US 20020168703 A1

L6: Entry 8 of 28 File: PGPB Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020168703
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020168703 A1

TITLE: Process for the manufacture of carotenoids and biologically useful materials thereof

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hoshino, Tatsuo	Kamakura-shi		JP	
Ojima, Kazuyuki	Fujisawa-shi		JP	
Setoguchi, Yutaka	Fujisawa-shi		JP	

US-CL-CURRENT: 435/67; 435/252.3, 435/254.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 9. Document ID: US 20020151540 A1

L6: Entry 9 of 28 File: PGPB Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020151540
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020151540 A1

TITLE: Therapeutic methods employing disulfide derivatives of dithiocarbamates and compositions useful therefor

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47

Lai, Ching-San	Encinitas	CA	US
Vassilev, Vassil	San Diego	CA	US

US-CL-CURRENT: 514/217.03; 514/316, 514/422, 514/476

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 10. Document ID: US 20020045573 A1

L6: Entry 10 of 28 File: PGPB Apr 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020045573
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020045573 A1

TITLE: POLYDITHIOCARBAMATE-CONTAINING NON-TARGETING MACROMOLECULES AND THE USE THEREOF FOR THERAPEUTIC AND DIAGNOSTIC APPLICATIONS

PUBLICATION-DATE: April 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LAI, CHING-SAN	ENCINITAS	CA	US	

US-CL-CURRENT: 514/6; 514/404, 514/405, 514/44, 514/476, 514/483, 514/54, 530/403, 536/123.1, 536/22.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 11. Document ID: US 20010051335 A1

L6: Entry 11 of 28 File: PGPB Dec 13, 2001

PGPUB-DOCUMENT-NUMBER: 20010051335
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010051335 A1

TITLE: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN TASSEL

PUBLICATION-DATE: December 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LALGUDI, RAGHUNATH V.	CLAYTON	MO	US	
ITO, LAURA Y.	PLEASANTON	CA	US	
SHERMAN, BRADLEY K.	OAKLAND	CA	US	

US-CL-CURRENT: 435/6; 435/69.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 12. Document ID: US 6696293 B2

L6: Entry 12 of 28 File: USPT Feb 24, 2004

US-PAT-NO: 6696293
DOCUMENT-IDENTIFIER: US 6696293 B2

TITLE: Process for producing carotenoids and biological materials useful therefor

DATE-ISSUED: February 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoshino; Tatsuo	Kamakura			JP
Ojima; Kazuyuki	Fujisawa			JP
Setoguchi; Yutaka	Fujisawa			JP

US-CL-CURRENT: 435/440; 435/254.11, 435/320.1, 435/471, 536/23.1, 536/23.2, 536/23.7

ABSTRACT:

A process for producing carotenoids, which involves cultivating a microorganism obtained by treating a parent microorganism that produces carotenoids under conditions that induce a reduction in alternative oxidase activity and selecting a microorganism with enhanced carotenoid productivity, a method for obtaining the microorganism with enhanced carotenoid productivity, and the microorganism itself.

21 Claims, 1 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw. D

☐ 13. Document ID: US 6649591 B2

L6: Entry 13 of 28 File: USPT Nov 18, 2003

US-PAT-NO: 6649591
DOCUMENT-IDENTIFIER: US 6649591 B2

TITLE: Polydithicarbamate-containing non-targeting marcomolecules and the use thereof for therapeutic and diagnostic applications

DATE-ISSUED: November 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lai; Ching-San	Encinitas	CA		

US-CL-CURRENT: 514/6; 424/9.3, 424/9.34, 424/9.35, 514/2, 514/44, 514/476, 514/483, 514/54, 530/403, 530/404, 530/405, 536/123, 536/123.1, 536/22.1

ABSTRACT:

In accordance with the present invention, there is provided a new class of drugs for therapeutic treatment of such indications as cerebral stroke and other ischemia/reperfusion injury. Thus, in accordance with the present invention, dithiocarbamates are linked to the surface of a non-immunogenic, non-targeting macromolecule other than an antibody (e.g., albumin protein) either by using cross-linking reagents or by nonspecific binding to produce polydithiocarbamate-macromolecule-containing compositions, which represent a new class of drugs for therapeutic treatment of such indications as cerebral stroke and other ischemia/reperfusion injury. In accordance with another aspect of the present invention, combinational therapeutic methods have been developed for the in vivo inactivation or inhibition of formation (either directly or indirectly) of species which induce the expression of inducible nitric oxide synthase, as well as reducing nitric oxide levels produced as a result of .NO synthase expression. In accordance with yet another aspect of the present invention, magnetic resonance imaging methods have been developed for the measurement of cerebral and cardiac blood flow and infarct volume in ischemic stroke or heart attack situations. Such methods employ iron-containing complexes of a composition comprising a dithiocarbamate and a non-immunogenic, non-targeting macromolecule other than an antibody as contrast agents.

18 Claims, 1 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 1

☐ 14. Document ID: US 6635802 B1

L6: Entry 14 of 28 File: USPT Oct 21, 2003

US-PAT-NO: 6635802
DOCUMENT-IDENTIFIER: US 6635802 B1

TITLE: Nuclear transfer using cells cultured in serum starvation media containing apoptosis inhibitors

DATE-ISSUED: October 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Piedrahita; Jorge A.	College Station	TX		
Lee; Chang-Kyu	Suwon			KR
Weaks; Regina	Richardson	TX		
Bazer; Fuller	College Station	TX		

US-CL-CURRENT: 800/24; 435/375, 435/377, 435/384

ABSTRACT:

Provided are methods and compositions for increasing the efficiency of nuclear transfer using apoptosis inhibitors, and for the production of transgenic and non-transgenic mammals from cultured cells or cell lines. Methods for cloning mammals, and for producing transgenic and chimeric mammalian tissues and mammals, and chimeric cell lines are also provided.

60 Claims, 8 Drawing figures
Exemplary Claim Number: 58
Number of Drawing Sheets: 5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw. D

☐ 15. Document ID: US 6607885 B1

L6: Entry 15 of 28 File: USPT Aug 19, 2003

US-PAT-NO: 6607885
DOCUMENT-IDENTIFIER: US 6607885 B1

TITLE: Method for high-density microarray medicated gene expression profiling

DATE-ISSUED: August 19, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Larossa; Robert A.	West Chester	PA		
Wei; Yan	West Caldwell	NJ		

US-CL-CURRENT: 435/6; 435/252.31, 435/252.32, 435/252.33, 435/252.34, 435/252.5, 435/5, 435/91.1, 435/91.2, 536/23.1, 536/24.3, 536/24.32, 536/24.33

ABSTRACT:

The global effect on genes under different environmental conditions can be determined by a comprehensive gene expression profile. The present invention provides a method to monitor the changes in comprehensive cellular gene expression levels at single length resolution by using a high-density microarray prepared with a comprehensive collection of ORFs of a genome. Under different environmental conditions, directly and indirectly affected genes can be detected as the gene expression levels are induced or repressed in comparison to the control.

14 Claims, 7 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw. D

☐ 16. Document ID: US 6596770 B2

L6: Entry 16 of 28 File: USPT Jul 22, 2003

US-PAT-NO: 6596770
DOCUMENT-IDENTIFIER: US 6596770 B2

TITLE: Therapeutic methods employing disulfide derivatives of dithiocarbamates and compositions useful therefor

DATE-ISSUED: July 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lai; Ching-San	Encinitas	CA		
Vassilev; Vassil	San Diego	CA		

US-CL-CURRENT: 514/599; 514/357, 514/408, 514/706, 514/707, 514/851

ABSTRACT:

The present invention provides a novel dithiocarbamamte disulfide dimer useful in various therapeutic treatments, either alone or in combination with other active agents. In one method, the disulfide derivative of a dithiocarbamate is coadministered with an agent that inactivates (or inhibits the production of) species that induce the expression of nitric oxide synthase to reduce the production of such species, while, at the same time reducing nitric oxide levels in the subject. In another embodiment, free iron ion levels are reduced in a subject by administration of a disulfide derivative of a dithiocarbamate(s) to scavenge free iron ions, for example, in subjects undergoing anthracycline chemotherapy. In another embodiment, cyanide levels are reduced in a subject by administration of a disulfide derivative of a dithiocarbamate so as to bind cyanide in the subject. In a further aspect, the present invention relates to compositions and formulations useful in such therapeutic methods.

11 Claims, 11 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 5

☐ 17. Document ID: US 6589991 B1

L6: Entry 17 of 28 File: USPT Jul 8, 2003

US-PAT-NO: 6589991
DOCUMENT-IDENTIFIER: US 6589991 B1

TITLE: Therapeutic methods employing disulfide derivatives of dithiocarbamates and compositions useful therefor

DATE-ISSUED: July 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lai; Ching-San	Encinitas	CA		

Vassilev; Vassil San Diego CA

US-CL-CURRENT: 514/599

ABSTRACT:

The present invention provides a novel dithiocarbamamte disulfide dimer useful in various therapeutic treatments, either alone or in combination with other active agents. In one method, the disulfide derivative of a dithiocarbamate is coadministered with an agent that inactivates (or inhibits the production of) species that induce the expression of nitric oxide synthase to reduce the production of such species, while, at the same time reducing nitric oxide levels in the subject. In another embodiment, free iron ion levels are reduced in a subject by administration of a disulfide derivative of a dithiocarbamate(s) to scavenge free iron ions, for example, in subjects undergoing anthracycline chemotherapy. In another embodiment, cyanide levels are reduced in a subject by administration of a disulfide derivative of a dithiocarbamate so as to bind cyanide in the subject. In a further aspect, the present invention relates to compositions and formulations useful in such therapeutic methods.

9 Claims, 11 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 5

☐ 18. Document ID: US 6433025 B1

L6: Entry 18 of 28 File: USPT Aug 13, 2002

US-PAT-NO: 6433025
DOCUMENT-IDENTIFIER: US 6433025 B1

TITLE: Method for retarding and preventing sunburn by UV light

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lorenz; R. Todd	Kailua-Kona	HI		

US-CL-CURRENT: 514/725; 424/400, 424/401, 424/59, 514/691, 514/724

ABSTRACT:

Astaxanthin is a potent antioxidant, over 500 times more powerful than Vitamin E and 10 times stronger than other carotenoids such as zeaxanthin, lutein, canthaxanthin and beta-carotene. Astaxanthin has also been shown to enhance and modulate the immune system. Disclosed is a method and treatment for retarding and preventing sunburns. The method comprises administering a source of astaxanthin in a therapeutically effective amount to prevent and retard sunburns.

20 Claims, 0 Drawing figures

Exemplary Claim Number: 1

☐ 19. Document ID: US 6432672 B1

L6: Entry 19 of 28 File: USPT Aug 13, 2002

US-PAT-NO: 6432672
DOCUMENT-IDENTIFIER: US 6432672 B1

TITLE: Gene conversion as a tool for the construction of recombinant industrial filamentous fungi

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE ZIP CODE	COUNTRY
Selten; Gerardus Cornelis Maria	2651 HZ Berkel EN Rodenrijs		NL
Swinkels; Bart Willem	2611 MX Delft		NL
Bovenberg; Roelof Ary Lans	3062 ZD Rotterdam		NL

US-CL-CURRENT: 435/69.1; 435/254.11, 435/254.3, 435/254.4, 435/254.5, 435/254.6, 435/254.7, 435/254.8, 435/254.9, 435/477

ABSTRACT:

The present invention relates to filamentous fungi that comprise in their genomes at least two substantially homologous DNA domains which are suitable for integration of one or more copies of a recombinant DNA molecule and wherein at least two of these DNA domains comprise an integrated copy of a recombinant DNA molecule. The invention also relates to methods for preparing such filamentous fungi and for further multiplying the DNA domains with integrated recombinant DNA molecules through gene conversion or amplification.

29 Claims, 65 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 69

☐ 20. Document ID: US 6344214 B1

L6: Entry 20 of 28 File: USPT Feb 5, 2002

US-PAT-NO: 6344214
DOCUMENT-IDENTIFIER: US 6344214 B1

TITLE: Method for retarding and ameliorating fever blisters and canker sores

DATE-ISSUED: February 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lorenz; R. Todd	Kailua-Kona	HI		

US-CL-CURRENT: 424/451; 424/435, 514/886, 514/887, 514/900, 568/378

ABSTRACT:

Astaxanthin is a potent antioxidant, over 500 times more powerful than Vitamin E and 10 times stronger than other carotenoids such as zeaxanthin, lutein, canthaxanthin and beta-carotene. Astaxanthin has also been shown to enhance and modulate the immune system and diminish the damaging effects of UVA sunlight. Disclosed is a method for retarding and ameliorating fever blisters (cold sores) and canker sores. The method comprises administering a source of astaxanthin in a therapeutically effective amount to prevent, retard and ameliorate fever blisters and canker sores. The astaxanthin may be administered orally, topically, or in a combination of oral and topical dosage.

12 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Terms	Documents
L4 and (paracoccus or synechocystis or agrobacterium or streptomyces or haematococcus or dunaliella or xanthophyllomyces or neurospora or rhodotorula or blakeslea or phycomyces)	28